

Daily gridded data sets

ROCADA ver. 1

ROCADA is a daily gridded observational dataset for precipitation, minimum, mean, maximum temperature, soil surface temperature, sea level pressure, relative humidity, cloud cover and sunshine duration in Romania based on station information. The first version dataset covers the period 1961-01-01 until 2013-12-31. It has been developed as part of the EURO4M (EU-FP7) and is now maintained and elaborated for future extensions in space and time as part of the UERRA project (EU-FP7). Data is made available on a 0.10° and 0.10° regular lat-lon grid. We used the software package MASH and MISH (Szentimrey, 2011; Lakatos et al, 2011). Figure 1 shows the multiannual total precipitation amount and Figure 2 gives the multiannual mean temperature, both for the period 1961-2013.

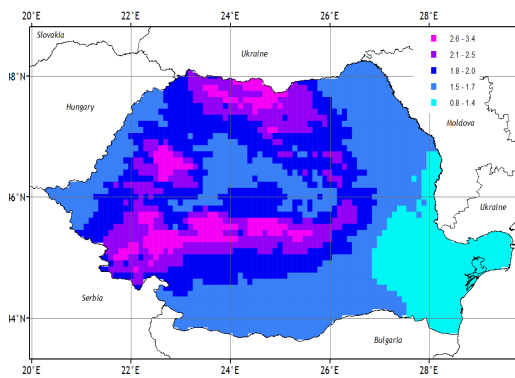


Figure 1. Multiannual total precipitation amount (in mm/day).

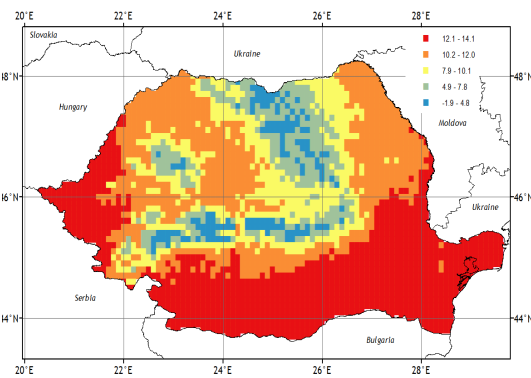


Figure 2. Multiannual air temperature (in °C).

Infobox		
<p>Specifications</p> <p>Output data sets: Air Temperature (minimum, mean and maximum) Surface Soil Temperature (mean) Precipitation amount Sea level pressure Cloud Cover Sunshine duration Relative humidity</p> <p>Data Spatial resolution: Regular grid: $0.10^\circ \times 0.10^\circ$ Temporal resolution: Daily Format: NetCDF</p> <p>Availability Area: Romanian territory Period (version 1): 1961-01-01 to 2013-12-31</p> <p>Freely available for non-commercial and educational use and research. For use in other activities, please contact the Romanian team.</p>	<p>Validation</p> <p>The input daily time series are quality controlled and homogenized and missing values interpolated using the software packages MASH and MISH (Szentimrey, 2011; Lakatos et al, 2011).</p>	<p>Description and Contact</p> <p>Climate Section Team National Meteorological Administration Sos. Bucuresti-Ploiesti no.97 013686 Bucharest, Romania</p> <p>Contact persons: Dr. Marius Birsan marius.birsan@meteoromania.ro Dr. Alexandru Dumitrescu alexandru.dumitrescu@meteoromania.ro Dr. Roxana Bojariu bojariu@meteoromania.ro</p> <p>Tel. +40 21 3162140 Fax +40 21 3163143</p>